

Allen E3400

Thermoplastic Polyolefin Elastomer

SEKISUI Polymer Innovations, LLC

Message:

E3400 is a general purpose TPO with high impact properties and a wide thermoforming processing window.

Common Applications:

Vehicle Interiors and Exteriors

Radomes

Marine Parts

Industrial Housings

Features and Benefits:

UV stable

Low temerature toughness

Edge trim easily used into future orders

Excellent chemical resistance

Good dimensional stability

General Information			
Features	General Purpose		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good UV Resistance		
	Good Weather Resistance		
	High Impact Resistance		
	Low Temperature Resistant		
Uses	Automotive Applications		
	Automotive Exterior Parts		
	Automotive Interior Parts		
	General Purpose		
	Housings		
	Marine Applications		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Molding Shrinkage	0.70 to 0.90	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Flexural Modulus ¹	2120	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Unnotched Izod Impact Strength			ISO 180
-30°C	7.0	kJ/m ²	
23°C	85	kJ/m ²	
Gardner Impact (-30°C)	35.7	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	101	°C	ISO 75-2/B
1.8 MPa, Unannealed	59.0	°C	ISO 75-2/A
Optical	Nominal Value		Test Method
Gloss (60°)	20 to 30		ASTM D955
NOTE			
1.	1.3 mm/min		

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